

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CA2004/001974

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷: C12Q-1/68

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: C12, C07, A61

Documentation searched other than minimum documentation to the extent that such documents are included in the fields

Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms

Canadian Patent Database, DELPHION, USPTO, ESPACENET, PUBMED, GENBANK, GENESEQ
Multiplex, PCR, polymerase chain amplification, primer extension, thrombosis, single nucleotide polymorphism, point mutation, SNP, factor V Leiden, G1691, prothrombin, G20210A, factor II, C677T, methylenetetrahydrofolate reductase, MTHFR, A1298C, factor XIII, G4377T, tissue specific factor plasma inhibitor, TFPI, C536T, allele specific, and tagged

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant	Relevant to claim No(s).
Y	EP 1,398,388 A2 (CULLEN , P. et al.) 17 March 2004 Abstract; Example 1; Table 1	1-7, 9-12, 14 and 15
Y	ENDLER, G. et al. Multiplexed mutagenically separated PCR: simultaneous single-tube detection of the factor V R506Q (G1691A), the prothrombin G20210A, and the methylenetetrahydrofolate reductase A223V (C677T) variants. Clin. Chem. February 2001, Vol.47, No. 2, Pages 333-335 Pages 333-334, bridging paragraph; Figure 1	1-7, 9-12, 14 and 15

☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

* Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y"	document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search 10 March 2005 (10-03-2005)	Date of mailing of the international search report 29 April 2005 (29-04-2005)
Name and mailing address of the ISA/CA Canadian Intellectual Property Office Place du Portage I, C114 - 1st Floor, Box PCT 50 Victoria Street Gatineau, Quebec K1A 0C9 Facsimile No: 001(819)953-2476	Authorized officer Qianfa Chen (819) 994-1374

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No(s).
Y	NEITZEL, B. et al. Easy, accurate and reliable screening for SNPs by ion pair/reverse phase HPLC: simultaneous detection of factor V G1691A, prothrombin G20210A and methylenetetrahydrofolate reductase C677T variants. Clin. Lab. July-August 2003, Vol. 49, Nos. 7-8, Pages 313-318 Abstract; Figure 1	1-7, 9-12, 14 and 15
Y	WO 00/47766 A1 (GIBSON, N. J. et al.) 17 August 2000 Abstract; page 2, line 9 to page 4, line 3	1-7, 9-12, 14 and 15
Y	WO 02/059355 A2 (KOBLE, D. et al.) 1 August 2002 Page 5, lines 8-15; Table I	1-7, 9-12, 14 and 15
A	GB2,338,062 A (BOWEN, D. et al.) 08 December 1999 Page 91, line 27	8, 13, 16 and 17
A	WO 2004/072887 A2 (ROBERTS, G. et al.) 26 August 2004 Page 56, SEQ ID NO 4	8, 13, 16 and 17
A	WO 00/11034 A1 (KLEESIEK, K. et al.) 2 March 2000 Page 4, line 16	8, 13, 16 and 17

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/CA2004/001974

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
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